

IN THE CLAIMS

Cancel Claims 1, 6, 17 and 18 without prejudice and amend Claims 2-5, 7-14, and 21 as follows:

1. Canceled.
2. (Currently amended) Method according to Claim 4 21, ~~characterized in that~~ wherein the individual currents from two pulse-controlled inverters (1, 2) are regulated.
3. (Currently amended) Method according to Claim 4 21, ~~characterized by~~ wherein the pulse-controlled inverters (1, 2) ~~of~~ have the same output.
4. (Currently amended) Method according to Claim 3, ~~characterized in that~~ wherein the total current is uniformly distributed among pulse-controlled inverters (1, 2) of the same output.
5. (Currently Amended) Method according to Claim 4 21, wherein each pulse-controlled inverter is regulated separately, with each regulator having sensed currents to separately adjust each regulator.
6. Canceled.
7. (Currently amended) Method according to Claim 4 21, ~~characterized in that~~ wherein the control edges of the power semiconductors (T11, T14, T21, T24) are shifted within the pulse-controlled inverter(s) (1, 2).

8. (Currently amended) Method according to Claim 4 ~~21~~, ~~characterized in that~~ wherein each phase of one, of multiple, or of all pulse-controlled inverters (1, 2) is regulated individually.

9. (Currently amended) Method according to Claim 4 ~~21~~, ~~characterized in that~~ wherein the gain factors (K1, K2) of regulation are dependent on external limiting conditions.

10. (Currently amended) Method according to ~~Claims~~ Claim 2, ~~characterized by~~ wherein the pulse-controlled inverters (1, 2) ~~of~~ have the same output.

11. (Currently amended) Method according to Claim 10, ~~characterized in that~~ wherein the total current is uniformly distributed among pulse-controlled inverters (1, 2) of the same output.

12. (Currently amended) Method according to Claim 2, ~~characterized in that~~ wherein each pulse-controlled inverter (1, 2) is regulated separately, with each regulator having sensed currents to separately adjust each regulator.

13. (Currently amended) Method according to Claim 3, ~~characterized in that~~ wherein each pulse-controlled inverter (1, 2) is regulated separately, with each regulator having sensed currents to separately adjust each regulator.

14. (Currently amended) Method according to Claim 4, ~~characterized in that~~ wherein each pulse-controlled inverter (1, 2) is regulated separately, with each regulator having sensed currents to separately adjust each regulator.

Claims 15 and 16. Canceled.

Claims 17-20. Canceled.

21. (Currently Amended) Method ~~according to claim 6~~ of operating multiple (n) parallel-connected pulse-controlled inverters (1,2), wherein
the individual current(s) of the (n) pulse-controlled inverters (1,2), or of a number reduced by 1(n-1) of pulse-controlled inverters (1,2) is/are regulated, and
each pulse-controlled inverter (1,2) includes first (IGBT T11, IGBT T21) and second (IGBT T14, IGBT T24) insulated gate bipolar transistors and first (D11, D21) and second (D14, D24) diodes each connected in parallel with a respective one of the first (IGBT T11, IGBT T21) and second (IGBT T14, IGBT T24) insulated gate bipolar transistors in the direction of reverse voltage (UD-) to forward voltage (UD+),
the input variable of regulation is generated by the difference between the setpoint value and the actual value of the corresponding output current, and by the modulation pattern, and

for each pulse-controlled inverter (1, 2),

when the actual value of current (I11, I21) is greater than the setpoint value, a turn-on edge of the first transistor (T11, T21) and turn-off edge of the second transistor (T14, T24) are each delayed, a turn-off edge of the first transistor (T11, T21) and turn-on edge the second transistor (T14, T24) remaining undelayed,

when the actual value of the current (I11, I21) is smaller than the setpoint value, the turn-on edge of the first transistor (T11, T21) and turn-off edge of the second transistor (T14, T24) are undelayed, with the turn-off edge of the first

transistor (T11, T21) and turn-on edge of the second transistor (T14, T24) each being delayed, and

when the actual value of the current (I11, I21) equals the setpoint value, the turn-on edges and turn-off edges of the first (T11, T21) and second (T14, T24) transistors all remain undelayed.

22. (Previously presented) Method according to Claim 21, wherein upon asymmetrical distribution of current, said two pulse-controlled inverters (1,2) have setpoint/actual-value deviations of opposite polarity.

23. (Previously presented) Method according to Claim 21, wherein when the actual value of the current (I11) in one (1) of the inverters (1, 2) is excessively larger than the actual value of the current (I21) in the other (2) of the inverters (1,2), different switching time points produce a voltage-time integral at respective output chokes (3, 6), resulting in a current change in the two chokes (3,6) in a direction of removing setpoint/actual value deviation, such that total current remains unchanged.

24. (Previously presented) Method according to Claim 21, wherein the actual values of current (I11, I21) are summed in a summing element (8), the resulting sum is sent to respective amplifiers (9, 10), where the sum is amplified by respective gain factors (K1, K2),

output of each said amplifier (9, 10) is forwarded to a respective differentiating element (11, 13) in which difference (12, 14) between the amplifier output and actual current (I_{11} , I_{21}) is taken,

both said differences (12, 14) are then fed to a regulator (15) to which a modulation pattern (16) is also supplied, and

the regulator (15) generates control pulses for the transistors (T11, T14, T21, T24).